

## Refine Search

### Search Results -

Term	Documents
TRANSMITTER	385706
TRANSMITTERS	79793
RECEIVER	729973
RECEIVERS	157892
(3 AND (TRANSMITTER OR RECEIVER)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	22
(L3 AND (TRANSMITTER OR RECEIVER) ).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	22

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L4

Refine Search

Recall Text

Clear

Interrupt

### Search History

DATE: Tuesday, September 21, 2004   [Printable Copy](#)   [Create Case](#)

Set Name   Query  
 side by side

Hit Count   Set Name  
 result set

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ

<u>L4</u>	L3 and (transmitter or receiver)	22	<u>L4</u>
<u>L3</u>	L2 and shield	179	<u>L3</u>
<u>L2</u>	L1 and coil	552	<u>L2</u>
<u>L1</u>	(magnetic adj field) and gradiometer	791	<u>L1</u>

END OF SEARCH HISTORY

## Refine Search

### Search Results -

Term	Documents
MR	73971
MRS	7341
NQR	625
NQRS	10
(3 AND (NQR OR MR)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	15
(L3 AND (MR OR NQR) ).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	15

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L5

Refine Search

Recall Text

Clear

Interrupt

### Search History

DATE: Tuesday, September 21, 2004    [Printable Copy](#)    [Create Case](#)

Set Name    Query  
 side by side

Hit Count    Set Name  
 result set

*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ*

<u>L5</u>	L3 and (MR or NQR)	15	<u>L5</u>
<u>L4</u>	L3 and (transmitter or receiver)	22	<u>L4</u>
<u>L3</u>	L2 and shield	179	<u>L3</u>
<u>L2</u>	L1 and coil	552	<u>L2</u>
<u>L1</u>	(magnetic adj field) and gradiometer	791	<u>L1</u>

END OF SEARCH HISTORY

10662163 CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 10662163 on September 21, 2004

26 324/318 (16 OR, 10 XR)  
 Class 324 : ELECTRICITY: MEASURING AND TESTING  
 324/300 PARTICLE PRECESSION RESONANCE  
 324/318 .Spectrometer components

16 324/322 (6 OR, 10 XR)  
 Class 324 : ELECTRICITY: MEASURING AND TESTING  
 324/300 PARTICLE PRECESSION RESONANCE  
 324/318 .Spectrometer components  
 324/322 ..Electronic circuit elements

12 324/309 (6 OR, 6 XR)  
 Class 324 : ELECTRICITY: MEASURING AND TESTING  
 324/300 PARTICLE PRECESSION RESONANCE  
 324/307 .Using a nuclear resonance spectrometer system  
 324/309 ..To obtain localized resonance within a sample

5 324/303 (3 OR, 2 XR)  
 Class 324 : ELECTRICITY: MEASURING AND TESTING  
 324/300 PARTICLE PRECESSION RESONANCE  
 324/303 .Using well logging device

5 324/307 (2 OR, 3 XR)  
 Class 324 : ELECTRICITY: MEASURING AND TESTING  
 324/300 PARTICLE PRECESSION RESONANCE  
 324/307 .Using a nuclear resonance spectrometer system

4 128/899 (0 OR, 4 XR)  
 Class 128 : SURGERY  
 128/897 MISCELLANEOUS  
 128/899 .Devices placed entirely within body and means  
 used therewith (e.g., magnetic implant localiz-

4 600/410 (2 OR, 2 XR)  
 Class 600 : SURGERY  
 600/300 DIAGNOSTIC TESTING  
 600/407 .Detecting nuclear, electromagnetic, or  
 ultrasonic radiation

## 10662163\_CLSTITLES

600/410 ..Magnetic resonance imaging or spectroscopy

3 600/422 (1 OR, 2 XR)  
 Class 600 : SURGERY  
 600/300 DIAGNOSTIC TESTING  
 600/407 .Detecting nuclear, electromagnetic, or  
 ultrasonic radiation  
 600/410 ..Magnetic resonance imaging or spectroscopy  
 600/421 ...Including any system component contacting  
 (internal or external) or conforming to bo  
 dy or body part

600/422 ....Coil

3 600/424 (0 OR, 3 XR)  
 Class 600 : SURGERY  
 600/300 DIAGNOSTIC TESTING  
 600/407 .Detecting nuclear, electromagnetic, or  
 ultrasonic radiation  
 600/424 ..With means for determining position of a  
 device placed within a body

3 600/435 (0 OR, 3 XR)  
 Class 600 : SURGERY  
 600/300 DIAGNOSTIC TESTING  
 600/407 .Detecting nuclear, electromagnetic, or  
 ultrasonic radiation  
 600/431 ..Detectable material placed in body  
 600/433 ...Using flexible catheter  
 600/435 ....Catheter structure

2 324/300 (1 OR, 1 XR)  
 Class 324 : ELECTRICITY: MEASURING AND TESTING  
 324/300 PARTICLE PRECESSION RESONANCE

2 324/306 (1 OR, 1 XR)  
 Class 324 : ELECTRICITY: MEASURING AND TESTING  
 324/300 PARTICLE PRECESSION RESONANCE  
 324/306 .Determine fluid flow rate

2 324/311 (1 OR, 1 XR)  
 Class 324 : ELECTRICITY: MEASURING AND TESTING  
 324/300 PARTICLE PRECESSION RESONANCE  
 324/307 .Using a nuclear resonance spectrometer system  
 324/311 ..With signal decoupling

2 600/423 (2 OR, 0 XR)

10662163\_CLSTITLES

Class	600	:	SURGERY
600/300			DIAGNOSTIC TESTING
600/407			.Detecting nuclear, electromagnetic, or ultrasonic radiation
600/410			..Magnetic resonance imaging or spectroscopy
600/421			...Including any system component contacting (internal or external) or conforming to b
ody or body part			
600/422			....Coil
600/423			.....With means for inserting into a body

10662163 CLS

Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10662163 on September 21, 2004

Original Classifications

16	324/318
6	324/309
6	324/322
3	324/303
2	324/307
2	600/410
2	600/423

Cross-Reference Classifications

10	324/318
10	324/322
6	324/309
4	128/899
3	324/307
3	600/424
3	600/435
2	324/303
2	600/410
2	600/422

Combined Classifications

26	324/318
16	324/322
12	324/309
5	324/303
5	324/307
4	128/899
4	600/410
3	600/422
3	600/424
3	600/435
2	324/300
2	324/306
2	324/311
2	600/423

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SYSTEM:OS - DIALOG OneSearch

File 155:MEDLINE(R) 1951-2004/Sep W3

(c) format only 2004 The Dialog Corp.

\*File 155: Medline has been reloaded. Accession numbers have changed. Please see HELP NEWS 154 for details.

File 2:INSPEC 1969-2004/Sep W2

(c) 2004 Institution of Electrical Engineers

\*File 2: Alert feature enhanced for multiple files, duplicates removal, customized scheduling. See HELP ALERT.

File 5:Biosis Previews(R) 1969-2004/Sep W2

(c) 2004 BIOSIS

File 6:NTIS 1964-2004/Sep W3

(c) 2004 NTIS, Intl Cpyrght All Rights Res

File 8:Ei Compendex(R) 1970-2004/Sep W2

(c) 2004 Elsevier Eng. Info. Inc.

File 73:EMBASE 1974-2004/Sep W2

(c) 2004 Elsevier Science B.V.

File 987:TULSA (Petroleum Abs) 1965-2004/Sep W4

(c) 2004 The University of Tulsa

File 94:JICST-EPlus 1985-2004/Aug W4

(c) 2004 Japan Science and Tech Corp(JST)

File 35:Dissertation Abs Online 1861-2004/Aug

(c) 2004 ProQuest Info&Learning

File 144:Pascal 1973-2004/Sep W2

(c) 2004 INIST/CNRS

File 105:AESIS 1851-2001/Jul

(c) 2001 Australian Mineral Foundation Inc.

\*File 105: This file is closed (no updates)

File 99:Wilson Appl. Sci & Tech Abs 1983-2004/Aug

(c) 2004 The HW Wilson Co.

File 58:GeoArchive 1974-2004/Aug

(c) 2004 Geosystems

File 34:SciSearch(R) Cited Ref Sci 1990-2004/Sep W2

(c) 2004 Inst for Sci Info

File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec

(c) 1998 Inst for Sci Info

File 292:GEOBASE(TM) 1980-2004/Sep B1

(c) 2004 Elsevier Science Ltd.

File 89:GeoRef 1785-2004/Sep B1

(c) 2004 American Geological Institute

\*File 89: Truncate SH codes for a complete retrieval.

File 65:Inside Conferences 1993-2004/Sep W3

(c) 2004 BLDSC all rts. reserv.

File 350:Derwent WPIX 1963-2004/UD,UM &UP=200460

(c) 2004 Thomson Derwent

\*File 350: For more current information, include File 331 in your search.

Enter HELP NEWS 331 for details.

File 347:JAPIO Nov 1976-2004/May(Updated 040903)

(c) 2004 JPO & JAPIO

\*File 347: JAPIO data problems with year 2000 records are now fixed.

Alerts have been run. See HELP NEWS 347 for details.



Set	Items	Description
S1	1751219	MRI OR MAGNETIC(1W) (IMAG? OR IMAGING) OR MAGNETIC(W) RESONAN- N? OR NMR OR NUCLEAR()MAGNETIC()RESONANCE OR FTNMR OR FTMRI - OR MAGNETORESONANCE OR PMR OR PROTON(W)MAGNETIC(W) RESONAN? OR MR() (IMAGE? OR IMAGING)
S2	40614	MC=(S01-E02A2 OR S03-E07A OR S01-E02A8A OR S01-E02A1 OR S0- 3-E07C OR S05-D02B1 OR S03-C02F1) OR IC=(G01R-003 OR G01N-024- /08 OR G01V-003/A75) OR CC=(A0758 OR A8760I OR B7510N)
S3	16968	NQR OR NUCLEAR()QUADRUPOLE?()RESONANC?
S4	157085	EPR OR ELECTRON()PARAMAGNETIC?()RESONANC?
S5	1916296	S1:S4
S6	1447283	RF OR RADIO(3N)FREQUENC????? OR RADIOFREQUENC????? OR MAGN- ET?(3N)FIELD?
S7	5792	GRADIOMETER?
S8	332	GRADIOMETER?(3N) (COIL? ? OR SPIRAL????? OR CONCENTRIC????? - OR WIRE?????)
S9	5792	S7:S8
S10	880807	PROBE
S11	10702	(RF OR RADIO(3N)FREQUENC????? OR RADIOFREQUENC?????) (3N) (C- OIL? ? OR SPIRAL????? OR CONCENTRIC????? OR WIRE?????)
S12	13723	(COIL? ? OR SPIRAL????? OR CONCENTRIC????? OR WIRE?????) (3N)- ARRAY???
S13	24024	S11:S12
S14	1625343	TRANSMIT???????
S15	627404	RECEIVER? ?
S16	1011920	(MONITOR????? OR MEASUR????????? OR TEST????????? OR CHECK??- ?? OR EXAMIN????? OR DETECT????????? OR SENS?????????) (3N) (SIGN- AL? OR PULS?)
S17	175616	(OPPOSITE??? OR OPPOSE???) (3N) (SENSE OR SENSES OR DIRECTIO- N?????)
S18	1285855	(FIRST OR ONE OR TWO OR SECOND OR DUAL) (3N) (SIDE??? OR SUR- FACE? ? OR FACE OR FACES)
S19	2757	SELF()SHIELD????
S20	5205	LANDMINE? ? OR LAND()MINE? ?
S21	1613	SECURIT?(3N) (INSPECT? OR SEARCH?)
S22	963	CONTRABAND????? OR COTRA()BAND?????
S23	80103	S5 AND S6
S24	164	S23 AND S9
S25	7	S24 AND S10
S26	7	RD (unique items)
S27	157	S24 NOT S25
S28	2	S27 AND S13
S29	2	RD (unique items)
S30	155	S27 NOT S28
S31	5	S30 AND S14
S32	3	RD (unique items)
S33	150	S30 NOT S31
S34	2	S33 AND S15
S35	2	RD (unique items)
S36	148	S33 NOT S34
S37	12	S36 AND S16
S38	12	RD (unique items)
S39	136	S36 NOT S37
S40	1	S39 AND S17
S41	135	S39 NOT S40
S42	2	S41 AND S18



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S43	1	RD (unique items)
S44	133	S41 NOT S42
S45	0	S44 AND S19
S46	0	S44 AND S20
S47	0	S44 AND S21
S48	0	S44 AND S22
S49	20	S44 AND S8
S50	0	S49 AND S11
S51	0	S49 AND S12
S52	9	RD S49 (unique items)
S53	102	S9 AND S10
S54	2	S53 AND S13
S55	2	RD (unique items)
S56	100	S53 NOT S54
S57	6	S56 AND S16
S58	5	RD (unique items)
S59	31	S6 AND S22
S60	1	S59 AND S21
S61	30	S59 NOT S60
S62	0	S61 AND S20
S63	1	S61 AND (S14 OR S15)
S64	29	S61 NOT S63
S65	0	S64 AND S9
S66	5	S64 AND S16
S67	5	RD (unique items)